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	Application No.	Applicant(s)
		SHIGEKI ET AL
Notice of Allowability	10/517,527 Examiner	Art Unit
	Felisa C. Hiteshew	
		h the correspondence address
The MAILING DATE of this communication apperall claims being allowable, PROSECUTION ON THE MERITS IS derewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI	or other appropriate commu IGHTS. This application is so and MPEP 1308.	
This communication is responsive to the amendment filed	on February 6, 2007	
∑ The allowed claim(s) is/are 1-11 and 13-17.		40
3. Acknowledgment is made of a claim for foreign priority u	nder 35 U.S.C. § 119(a)-(d) (or (1).
o Not all b\ Some* c) None or the:		
San and a series of the priority documents have	e been received.	- No
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 Certified copies of the priority documents have Copies of the certified copies of the priority do 	ocuments have been receive	d in this national stage application from the
International Bureau (PCT Rule 17.2(a)).		
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Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONI		
A SUBSTITUTE OATH OR DECLARATION must be subi INFORMAL PATENT APPLICATION (PTO-152) which gire	103 10000 (c) 1111y 1	AMINER'S AMENDMENT or NOTICE OF or declaration is deficient.
 CORRECTED DRAWINGS (as "replacement sheets") middle (a) including changes required by the Notice of Draftspe 	ust be submitted rson's Patent Drawing Revie	ew (PTO-948) attached
4) E7 Leads and Date to Paper No /Mail Date		-
(b) I including changes required by the attached Examine	er's Amendment / Comment o	or in the Office action of
Paper No./Mail Date	s 4 04/s\\ abould be written on	the drawings in the front (not the back) of
each sheet. Replacement sheet(s) should be labeled as verifi-		TERIAL must be submitted. Note the
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Attachment(s) 1. Notice of References Cited (PTO-892)		Informal Patent Application
2. Notice of Draftperson's Patent Drawing Review (PTO-94)	Paner N	Summary (PTO-413), lo./Mail Date
3. Information Disclosure Statements (PTO/SB/08).		r's Amendment/Comment
Paper No./Mail Date	ait 8. ⊠ Examine	r's Statement of Reasons for Allowance
of Biological Material	9. 🗌 Other	Felisa C. Hiteshew
		Primary Examiner Art Unit: 1722

FAX NO. : 301-596-5751

FROM:

Aug. 14 2007 11:17AM P2

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EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In the specification, on page 1, line 1, please insert the following:

- --This application is a 371 of PCT/JP03/07493 06/12/2003--.
- 2. The following is an examiner's statement of reasons for allowance: The most relevant prior art of reference was that which was submitted by the previous office action. However, it does not teach nor fairly suggest singularly or in any combination thereof a method for producing a single crystal comprising the step of heating a crucible which holds a raw material and pulling up a seed crystal while the seed crystal is in contact with a melt of the raw material so as to produce a single crystal, wherein the crucible is heated by a high-frequency induction heater including a high-frequency coil for heating the crucible, and wherein the diameter of the single crystal is increased during formation of a taper portion of the single crystal in an initial stage of growth of the single crystal, and the single crystal is cylindrically grown connecting with the taper portion during formation of a straight body portion of the single crystal, while the radiation heat which reaches the taper portion of the single crystal from an inner surface of said crucible is blocked during the formation of the taper portion of the single crystal.

Neither the Ikeda reference (U.S. Pat. No. 6,099,641) nor the Tomzig, et al reference (U.S. Pat. No. 5,462,011) teaches an apparatus for producing a single crystal, as stated in the instant invention, wherein the apparatus further comprises a heat conducting member which extends upwards at least from the vicinity of the upper end portion of the side wall of said crucible, which surrounds a formed single crystal. In the Ikeda reference see column 5, lines 36-67; column 6, line 6-10 and lines 48-53, respectively. In the Tomzig, et al reference, see column 3, lines 34-47 and Table 1.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Felisa Hiteshew whose telephone number is (571) 272-1463. The examiner can normally be reached on Mondays through Thursday from 5:30 AM to 4:00 PM with Fridays off.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Yogendra Gupta, can be reached on (571) 272-1316. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-1463.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public Application/Control Number: 10/517,527

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(toll-free).